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## SEQUENCE LISTING

&lt;110&gt; Ovita Limited

&lt;120&gt; Novel Muscle Growth Regulator

&lt;130&gt; JC218744-142

&lt;150&gt; NZ529860

&lt;151&gt; 2003-11-27

&lt;160&gt; 11

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 576

&lt;212&gt; DNA

&lt;213&gt; Ovine

&lt;400&gt; 1

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ccggacgccg aaccgccgcc gctgcttcag acgcagaccc caccgccgac tctgcagcag      180
cccgccccgc ccggcagcga gcggcgcctt ccaactccgg agcaaatttt tcagaacata      240
aaacaagaat atagtcgtta tcagaggtgg agacatttag aagttgttct taatcagagt      300
gaagcttgta cttcggaag tcagcctcac tcctcagcac tcacagcacc tagttctcca      360
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aatactaaac tagcagaaca atatgaatct tttgtgaaat tcacacatga tcagattatg      540
cgacgatatg ggacaaggcc aacaagctat gtatcc                                576

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&lt;210&gt; 2

&lt;211&gt; 192

&lt;212&gt; PRT

&lt;213&gt; ovine

&lt;400&gt; 2

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Met Ala Cys Gly Ala Thr Leu Lys Arg Pro Met Glu Phe Glu Ala Ala
1      5      10      15
Leu Leu Ser Pro Gly Ser Pro Lys Arg Arg Arg Cys Ala Pro Leu Ser
20     25     30
Gly Pro Thr Pro Gly Leu Arg Pro Pro Asp Ala Glu Pro Pro Pro Leu
35     40     45
Leu Gln Thr Gln Thr Pro Pro Pro Thr Leu Gln Gln Pro Ala Pro Pro
50     55     60
Gly Ser Glu Arg Arg Leu Pro Thr Pro Glu Gln Ile Phe Gln Asn Ile
65     70     75     80
Lys Gln Glu Tyr Ser Arg Tyr Gln Arg Trp Arg His Leu Glu Val Val
85     90     95

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Leu Asn Gln Ser Glu Ala Cys Thr Ser Glu Ser Gln Pro His Ser Ser  
                     100                    105                    110  
 Ala Leu Thr Ala Pro Ser Ser Pro Gly Ser Ser Trp Met Lys Lys Asp  
                     115                    120                    125  
 Gln Pro Thr Phe Thr Leu Arg Gln Val Gly Ile Ile Cys Glu Arg Leu  
                     130                    135                    140  
 Leu Lys Asp Tyr Glu Asp Lys Ile Arg Glu Glu Tyr Glu Gln Ile Leu  
                     145                    150                    155                    160  
 Asn Thr Lys Leu Ala Glu Gln Tyr Glu Ser Phe Val Lys Phe Thr His  
                     165                    170                    175  
 Asp Gln Ile Met Arg Arg Tyr Gly Thr Arg Pro Thr Ser Tyr Val Ser  
                     180                    185                    190

<210> 3  
 <211> 576  
 <212> DNA  
 <213> Bovine

<400> 3  
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 gaagcttgta cttcggaaag tcagcctcac tcctcaacac tcacagcacc tagttctcca 360  
 ggttcctcct ggatgaaaaa ggaccagccc acctttacgc tccgacaagt tggaataata 420  
 tgtgagcgtc tcttaaaaga ctatgaagat aaaattcggg aggaatatga gcaaatactc 480  
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<210> 4  
 <211> 192  
 <212> PRT  
 <213> Bovine

<400> 4

Met Ala Cys Gly Ala Thr Leu Lys Arg Pro Met Glu Phe Glu Ala Ala  
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 Leu Leu Ser Pro Gly Ser Pro Lys Arg Arg Arg Cys Ala Pro Leu Ser  
                     20                    25                    30  
 Gly Pro Thr Pro Gly Leu Arg Pro Pro Asp Ala Glu Pro Pro Pro Leu  
                     35                    40                    45  
 Leu Gln Thr Gln Ile Pro Pro Pro Thr Leu Gln Gln Pro Ala Pro Pro  
                     50                    55                    60  
 Gly Ser Asp Arg Arg Leu Pro Thr Pro Glu Gln Ile Phe Gln Asn Ile  
 65                    70                    75                    80  
 Lys Gln Glu Tyr Ser Arg Tyr Gln Arg Trp Arg His Leu Glu Val Val

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	85		90		95
Leu Asn Gln Ser	Glu Ala Cys Thr	Ser Glu Ser Gln Pro	His Ser Ser		
	100	105	110		
Thr Leu Thr Ala Pro Ser Ser	Pro Gly Ser Ser Trp Met	Lys Lys Asp			
	115	120	125		
Gln Pro Thr Phe Thr Leu Arg	Gln Val Gly Ile Ile Cys Glu Arg Leu				
	130	135	140		
Leu Lys Asp Tyr Glu Asp Lys Ile Arg Glu Glu Tyr Glu Gln Ile Leu					
	145	150	155		160
Asn Thr Lys Leu Ala Glu Gln Tyr Glu Ser Phe Val Lys Phe Thr His					
	165	170	175		
Asp Gln Ile Met Arg Arg Tyr Gly Thr Arg Pro Thr Ser Tyr Val Ser					
	180	185	190		

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 <211> 2071  
 <212> DNA  
 <213> mouse

<400> 5  
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 ttttcaagtc ttctaatacgt tcacttttga tctgtttata ccacaagaaa acaatttact 300  
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 gtgcctaggg aggcttgaat cccaatatgg caaaacaaac agaaaaccag caatttggtg 780  
 tgctgtgctg tcttatattt tacagaaata aatgtgaaag tatatgacct atgttatgat 840  
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 ggagaaggaa gaagaggcgg agaaggagga ggaagattgg agatagtatg cctttattgt 960  
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 aaaatttgga ctgttctaga aaaatctggt acagagataa tgttaaagcc agattacagg 1080  
 aatcacagcc actaatatac aaataattac agaaaggctt tgaatgtgga ggtgttggtc 1140  
 tgatgactct attgatgtat ttgaaagcac tggagttact cccagggaaa attacaacca 1200  
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<210> 6
<211> 25
<212> DNA
<213> PCR Primer

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<400> 6
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<210> 7
<211> 21
<212> DNA
<213> PCR Primer

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<400> 7
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<210> 8
<211> 20
<212> DNA
<213> PCR Primer

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<400> 8
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<210> 9
<211> 22
<212> DNA
<213> PCR Primer

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<400> 9
ggtgggctgg tccttcttca tc 22

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<210> 10
<211> 25
<212> DNA

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&lt;213&gt; PCR Primer

&lt;400&gt; 10

agatctgac caactcttca gctac

25

&lt;210&gt; 11

&lt;211&gt; 24

&lt;212&gt; DNA

&lt;213&gt; PCR Primer

&lt;400&gt; 11

gctagccac attcactgtg caag

24